

FORM PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: DHI-08810	Serial No.: 10/813,852
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))		Applicant: David R. Scholl <i>et al.</i>	
		Filing Date: 03/30/04	Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
AS	1	5,939,253	08/17/99	Scholl <i>et al.</i>			
	2	4,224,412	9/23/80	Dorofeev <i>et al.</i>			
	3	5,418,132	5/23/95	Olivo			
	4	5,262,359	11/16/93	Hierholzer			
	5	4,193,991	3/18/80	Appel <i>et al.</i>			
	6	6,168,915	1/2/01	Scholl <i>et al.</i>			
	7	6,376,172	4/23/02	Scholl <i>et al.</i>			
	8	6,573,080	6/3/03	Scholl <i>et al.</i>			

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
						Yes	No
AS	9	WO 97 24461	7/10/97	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

*	10	Boshart <i>et al.</i> , "A Very Strong Enhancer Is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530 (1985)
*	11	Dijkema <i>et al.</i> , "Cloning and Expression of the Chromosomal Immune Interferon Gene of the Rat," <i>EMBO J.</i> 4:761-767 (1985)
*	12	Gorman <i>et al.</i> , "The Rous Sarcoma Virus Long Terminal Repeat is a Strong Promoter When Introduced into a Variety of Eukaryotic Cells by DNA-mediated Transfection," <i>Proc. Natl. Acad. Sci. USA</i> 79:6777-6781 (1982)
*	13	Kim <i>et al.</i> , "Use of the human elongation factor 1α promoter as a versatile and efficient expression system," <i>Gene</i> 91:217-223 (1990)
*	14	Leland, <i>Clinical Virology</i> , W.B. Saunders Company, Philadelphia, PA at pp. 60-65, and 85-86 (1996)
*	15	Maniatis <i>et al.</i> , "Regulation of Inducible and Tissue-Specific Gene Expression," <i>Science</i> 236:1237 (1987)
*	16	Mizushima and Nagata, "pEF-BOS, a powerful mammalian expression vector," <i>Nuc. Acids. Res.</i> 18:5322 (1990)
*	17	Olsen <i>et al.</i> , "Isolation of Seven Respiratory Viruses in Shell Vials: a Practical and Highly Sensitive Method," <i>J. Clin. Microbiol.</i> 31:422-425 (1993)
*	18	Rabalais <i>et al.</i> , "Rapid Diagnosis of Respiratory Viral Infections by Using a Shell Vial Assay and Monoclonal Antibody Pool," <i>J. Clin. Microbiol.</i> , 30:1505-1508 (1992)
*	19	Sambrook <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual</i> , 2nd ed., Cold Spring Harbor Laboratory Press, New York, pp. 16.6-16.15 (1989)
*	20	Schmidt and Emmons, "General Principles of Laboratory Diagnostic Methods for Viral, Rickettsial, and Chlamydial Infections," in Schmidt and Emmons (eds.), <i>Diagnostic Procedures for Viral, Rickettsial and Chlamydial Infections</i> , American Public Health Association, Washington, D.C., page 4 (1989)
*	21	Smith <i>et al.</i> , "Detection of Respiratory Syncytial virus in Nasopharyngeal Secretions by Shell Vial Technique," <i>J. Clin. Microbiol.</i> 29:463-465 (1991)
*	22	Uetsuki <i>et al.</i> , "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1α," <i>J. Biol. Chem.</i> 264:5791-5798 (1989)
*	23	Voss <i>et al.</i> , "The role of enhancers in the regulation of cell-type-specific transcriptional control," <i>Trends Biochem. Sci.</i> 11:287-289 (1986)
*	24	Wiedbrauk and Johnston, <i>Manual of Clinical Virology</i> , Raven Press, Inc., New York, NY, pp. 1-17, and 64-76 (1993)

Examiner: *[Signature]* Date Considered: *12/22/04*

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

AS *	25	Dagan and Menegus, "A combination of four cell types for rapid detection of enteroviruses in clinical specimens," <i>J. Med. Virol.</i> 19: 219-228 (1986)
*	26	Chonmaitree <i>et al.</i> , "Comparison of Cell Cultures for Rapid Isolation of Enteroviruses," <i>J. Clin. Microbiol.</i> 26:2576-2580 (1988)
*	27	Castells <i>et al.</i> , "NCI-H292 as an Alternative Cell Line for the Isolation and Propagation of the Human Paramyxoviruses," <i>Arch. Virol.</i> 115:277-288 (1990)
*	28	Brumbach and Wade, "Simultaneous Rapid Culture for Four Respiratory Viruses in the Same Cell Monolayer Using a Differential Multicolored Fluorescent Confirmatory Stain," <i>J. Clin. Microbiol.</i> 34:798-801 (1996)
*	29	Gleaves <i>et al.</i> , "Detection of Human Cytomegalovirus in Clinical Specimens by Centrifugation Culture with a Nonhuman Cell Line," <i>J. Clin. Microbiol.</i> 30:1045-1048 (1992)
*	30	Hierholzer <i>et al.</i> , "Sensitivity of NCI-H292 Human Lung Mucoepidermoid Cells for Respiratory and Other Human Viruses," <i>J. Clin. Microbiol.</i> 31:1504-1510 (1993)
*	31	Klespies <i>et al.</i> , "Detection of enteroviruses from clinical specimens by spin amplification shell vial culture and monoclonal antibody assay," <i>J. Clin. Microbiol.</i> 34:1465-1467 (1996)
*	32	Leonardi <i>et al.</i> , "Use of Continuous Human Lung Cell Culture for Adenovirus Isolation," <i>Intervirology</i> 38:352-355 (1995)
*	33	ViroMED Laboratories, Inc. Pamphlet entitled, "ViroMed Cell Culture Products (1996)
*	34	Navarro-Mari <i>et al.</i> , "Rapid Detection of Respiratory Viruses by Shell Vial Assay Using Simultaneous Culture of HEp-2, LLC-MK2, and MDCK Cells in a Single Vial," <i>J. Clin. Microbiol.</i> 37: 2346-2347 (1999)
*	35	Benton & Hurst (1986) "Evaluation of mixed cell types and 5-iodo-2'-deoxyuridine treatment upon plaque assay titers of human enteric viruses," <i>Applied and Environmental Microbiology</i> 51:1036-1040
*	36	Miller <i>et al.</i> (1969) "Clinical virology and viral surveillance in a pediatric group practice: The use of double-seeded tissue culture tubes for primary virus isolation," <i>Am. J. Epidemiol.</i> 88:245-256
*	37	Schindler <i>et al.</i> , "Investigation of ELVIS Technology for use in HSV Typing of Clinical Specimens," Abstract, 11th Annual Clinical Virology Symposium, May 1, 1995, Clearwater Beach, FL.
*	38	Jollick <i>et al.</i> , "Typing of HSV with the ELVIS HSV typing system: differential staining characteristics do not result from promoter-transactivator specificity," Abstract, 12th Annual Clinical Virology Symposium, Clearwater FL (1996)
*	39	Astier-Gin <i>et al.</i> (1995) "Identification of HTLV-I- or HTLV-II-producing cells by cocultivation with BHK-21 cells stably transfected with a LTR-lacZ gene construct," <i>J. Virological Methods</i> 51:19-30
*	40	Rabalais <i>et al.</i> (1992) "Rapid Diagnosis of Respiratory Viral Infections by Using a Shell Vial Assay and Monoclonal Antibody Pool," <i>J. Clin. Microbiol.</i> 30:1505-1508
✓	41 ✓	Smith <i>et al.</i> (1991) "Detection of Respiratory Syncytial virus in Nasopharyngeal Secretions by Shell Vial Technique," <i>J. Clin. Microbiol.</i> 29:463-465
✓	42 ✓	Heggie <i>et al.</i> (1993) "Rapid detection of herpes simplex virus in culture by in situ hybridization," <i>J. Virol. Meth.</i> 41:1-7
✓	43 ✓	Lennette <i>et al.</i> "Diagnostic Procedures for Viral and Rickettsia Infections," Amer. Publ. Health Assoc., Inc., 1969, Fourth Edition, pp 653-655, 659-660, and 570-572.
✓	44 ✓	Fong <i>et al.</i> (1991) "Advantages of multiple cell culture systems for detection of mixed-virus infections," <i>J. Virol. Methods</i> 33:283-289
✓	45 ✓	Toujianidou <i>et al.</i> (1989) "Assessment of Various Cell Lines (including Mixed Cell Cultures) for the Detection of Enteric Viruses in Different Water Sources," <i>Water Science and Tech.</i> 21:311-314
✓	46 ✓	Subrahmanyam <i>et al.</i> (1974) "The Development of Double Seeded and Mixed Cell Culture Systems for Use in Diagnostic Virology," <i>Archiv Fuer Die Gesamte Virusforschung</i> 44:291-297

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AJ	47 ✓	Huang <i>et al.</i> (2000) "Application of mixed cell lines for the detection of viruses from clinical specimens," Clin. Microbiol. Newsletter 22:89-92	
	48 ✓	Reina <i>et al.</i> (1997) "Comparison of Madin-Darby canine kidney cells (MDCK) with a green monkey continuous cell line (Vero) and human lung embryonated cells (MRC-5) in the isolation of influenza A virus from nasopharyngeal aspirates by shell vial culture," J. Clin. Microbiol. 35:1900-1901	
	49 ✓	Schultz-Cherry <i>et al.</i> (1998) "Mink lung epithelial cells: Unique cell line that supports influenza A and B virus replication," J. Clin. Microbiol. 36:3718-3720	
	50 ✓	Huang <i>et al.</i> (2000) "Mink lung cells and mixed mink lung and A549 cells for rapid detection of influenza virus and other respiratory viruses," J. Clin. Microbiol. 38:422-423	
	51 ✓	Rangan <i>et al.</i> (1972) "Detection and assay of feline leukemia virus (FeLV) by a mixed culture cytopathogenicity method," Virol. 47:247-250	
	52 ✓	Karetnyi <i>et al.</i> (1982) "Use of a co-cultivation method for detecting cytomegalovirus contamination of cell cultures of simian origin," Voprosy Virusologii 27(2), Abstract	
	53 ✓	Scholl <i>et al.</i> , U.S. Application No. 20030215796 published 11/20/03	
	54 ✓	Chan <i>et al.</i> (2003) "Human Metapneumovirus Detection in Patients with Severe Acute Respiratory Syndrome," Emerging Infect. Dis. 9:1058-1063	
	55 ✓	Frank <i>et al.</i> (1979) "Comparison of Different Tissue Cultures for Isolation and Quantitation of Influenza and Parainfluenza Viruses," J. Clin. Microbiol. 10:32-36	
	56 ✓	Setterquist <i>et al.</i> "A Comparison of LLC-MK2 and R-Mix™ (A549, MViIu) Cells for the Detection of Human Metapneumovirus," 19th Annual Clinical Virology Symposium, Clearwater, FL, April 27-30, 2003	
	57 ✓	Genomes, T.A. Brown, Wiley-Liss, 1994, page 179	
	58 ✓	Biochemistry, Third Edition, W.H. Freeman and Company, NY, 1988, page 98	
✓	59 ✓	The Encyclopedia of Molecular Biology, Blackwell Science, 1994, page 225	
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